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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/666,783	09/22/2003	Yun-Chung Lee	J2P3005-P1679US	9011
7590	01/11/2005		EXAMINER	
Yun-Chung Lee 235 Chung-Ho Box 8-24 Taipei, TAIWAN			DURAND, PAUL R	
			ART UNIT	PAPER NUMBER
			3721	
			DATE MAILED: 01/11/2005	

Please find below and/or attached an Office communication concerning this application or proceeding.

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<b>Office Action Summary</b>	Application No.	Applicant(s)
	10/666,783	LEE, YUN-CHUNG
	Examiner Paul Durand	Art Unit 3721

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

1) Responsive to communication(s) filed on 18 October 2004.  
 2a) This action is FINAL.      2b) This action is non-final.  
 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

4) Claim(s) 6 is/are pending in the application.  
 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.  
 5) Claim(s) \_\_\_\_\_ is/are allowed.  
 6) Claim(s) 6 is/are rejected.  
 7) Claim(s) \_\_\_\_\_ is/are objected to.  
 8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

9) The specification is objected to by the Examiner.  
 10) The drawing(s) filed on 22 September 2003 is/are: a) accepted or b) objected to by the Examiner.  
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  
 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
 a) All    b) Some \* c) None of:  
 1. Certified copies of the priority documents have been received.  
 2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

1) Notice of References Cited (PTO-892)  
 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)  
 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
 Paper No(s)/Mail Date \_\_\_\_\_

4) Interview Summary (PTO-413)  
 Paper No(s)/Mail Date. \_\_\_\_\_  
 5) Notice of Informal Patent Application (PTO-152)  
 6) Other: \_\_\_\_\_

## DETAILED ACTION

### ***Claim Rejections - 35 USC § 103***

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claim 6 is rejected under 35 U.S.C. 103(a) as being unpatentable over Ohmori (US 5,730,035) in view of Wallace (US 3,507,173).

Ohmori discloses the invention substantially as claimed including pneumatic motor 13, installed on an end portion of the tool, cylinder 2, piston 3, inside the cylinder 2, with spline shaft 8 integral with the piston and driven with the pneumatic motor, rotor 16, functioning as a spindle, with a rod groove in the form of ball spline 14, output disk in the form of clutch 15, which contains a polygonal hole for spline shaft 8 (see Figs. 1-5 and C3,L66 – C4,L46). What Ohmori does not disclose is the use of a planetary gears set to provide rotary motion for the tool or the drive system comprised of mating the spindle, planetary gears and output disk. However, Wallace teaches that it is old and well known in the art to provide a drive system for a pneumatic rotary tool that is comprised of a tool motor spindle 21, which is meshed to a planetary gear system 24 and 25, which in turn, drives output disk in the form of output spindle 28, constrained by bearing 29 for the purpose of driving a tool in line with the motor (see Fig. 1 and C2,L51 – C3,L2). Furthermore, while the modified invention of Ohmori does not specifically

teach of a bush to drive the piston rod in a rotational manner, the examiner takes Official Notice that it is old and well known in the art to provide a bush that is mated to a rotational member and is keyed to fit a driving member for the purpose of efficiently driving a tool bit in a rotational manner. Still furthermore, it has been held that the recitation that an element is "capable of" performing a function is not a positive limitation but only requires the ability to so perform. It does not constitute a limitation in any patentable sense *In re Hutchinson*, 69 USPQ 138. Therefore, it would have been obvious to one having ordinary skill in the art at the time the invention was made to have provided the modified invention of Ohmori with a bushing and the drive means arrangement as taught by Wallace for the purpose of driving a tool in line with the motor.

### ***Response to Arguments***

3. Applicant's arguments filed 10/18/2004 have been fully considered but they are not persuasive.

Applicant argues the combined references of Ohmori and Arata do not show the spindle meshed with the planet gears in turn meshed to the output disk. The examiner agrees with applicant and has supplied the new reference of Wallace to show applicant that the drive gear arrangement is well known in the art.

Applicant further argues that the combined references do teach the invention since the piston of Ohmori is arranged on the backside of the motor. The examiner disagrees with this assertion. While Ohmori's piston is in a different location as that of

applicant's, it does meet the recitation of the claimed limitations. Furthermore, it has been held that rearranging parts of an invention involves only routine skill in the art. *In re Japikse*, 86 USPQ 70.

Therefore, for the reasons indicated above, the rejection is deemed proper.

### ***Conclusion***

4. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Paul Durand whose telephone number is 571-272-4459. The examiner can normally be reached on 0730-1800, Monday - Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Rinaldi I Rada can be reached on 571-272-4467. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Paul Durand  
December 30, 2004



EUGENE KIM  
PRIMARY EXAMINER